

F16.1

DOLDAD. ESESED

- 210 USER AT THE ORIGINATING END DIALS A TELEPHONE NUMBER
- 215 CALL CONTROLLER AT THE ORIGINATING END RECEIVES AN SS7 INITIAL ADDRESS MESSAGE
- 220 CALL CONTROLLER ROUTES THE CALL
- 225 CALL CONTROLLER DETERMINES THAT A CONTINUITY CHECK OPERATION IS TO BE PERFORMED
- 230 CALL CONTROLLER SENDS A CONNECTION CONTROL MESSAGE (CREATECONN)
 TO THE ORIGINATING GATEWAY TO INITIATE A CONNECTION THROUGH THE ATM
 NETWORK AND TO INDICATE THAT THE SENDING SIDE OF A CONTINUITY CHECK IS
 REQUESTED
- ORIGINATING GATEWAY RESERVES RESOURCES FOR THE CALL AND MAKES THE PATTERN GENERATOR AND PATTERN DETECTOR AVAILABLE
- 240 PATTERN GENERATOR GENERATES A SPECIFIED BIT PATTERN
- 245 PATTERN DETECTOR LOOKS FOR THE SPECIFIED PATTERN

250 GATEWAY RETURNS AN ACKNOWLEDGEMENT

MESSAGE (CREATEACK) THAT INCLUDES A

CONNECTION DESCRIPTOR INCLUDING

INFORMATION THAT UNIQUELY IDENTIFIES

THE CALL

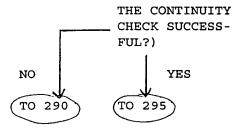
THE CALL

STATE PATTERN

DETECTED? (IS

THE CONTINUITY

CHECK SUCCESS
FUL?)



- ORIGINATING CALL CONTROLLER SENDS AN IAM MESSAGE TO THE TERMINATING CALL CONTROLLER INCLUDING AN INDICATION THAT THE CONTINUITY CHECK OPERATION IS TO BE PERFORMED FOR THE IDENTIFIED CALL
- 260 TERMINATING CALL CONTROLLER ROUTES THE CALL



265 CALL CONTROLLER SENDS A CONNECTION CONTROL MESSAGE (CREATECONN) TO THE TERMINATING GATEWAY INCLUDING AN INDICATION THAT THE RECEIVING SIDE OF A CONTINUITY CHECK OPERATION IS BEING REQUESTED

ROM

260

FROM 285

270 THE TERMINATING GATEWAY ESTABLISHES A PACKET DOMAIN CONNECTION WITH THE ORIGINATING GATEWAY THROUGH THE PACKET NETWORK

275 GATEWAY SETS UP A CONTINUITY CHECK LOOP
BETWEEN THE INCOMING AND OUTGOING PACKET STREAMS
ASSOCIATED WITH THE PACKET NETWORK CONNECTION

280 TERMINATING GATEWAY SENDS AN ACKNOWLEDGEMENT MESSAGE (CREATEACK)

290 ORIGINATING GATEWAY SIGNALS THE CALL CONTROLLER OR MANAGEMENT SYSTEM TO INFORM IT OF THE FAILURE

295 ORIGINATING GATEWAY
DISCONNECTS PATTERN GENERATOR

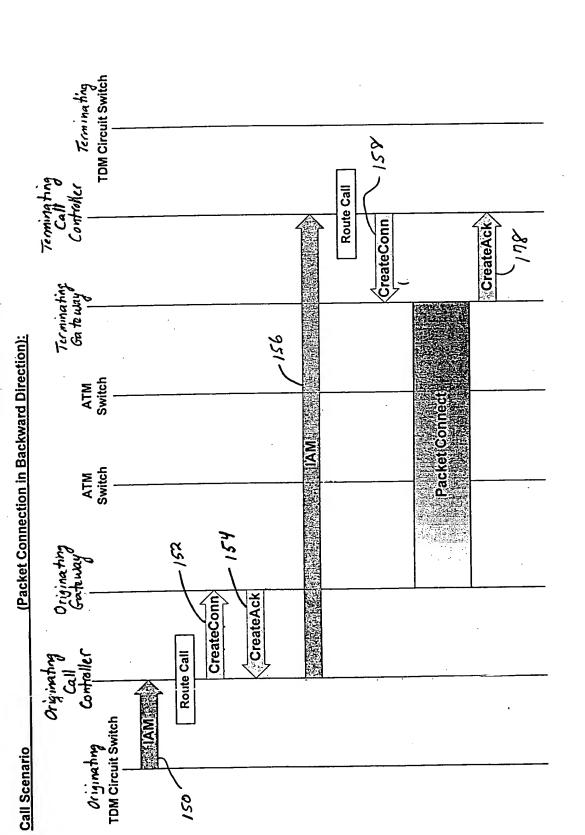
300 ADAPTATION LAYER IN THE ORIGINATING GATEWAY IS CONNECTED TO THE DSO CIRCUIT IN THE TDM-DOMAIN THAT WILL HANDLE THE CALL

305 ORIGINATING GATEWAY
NOTIFIES ITS CALL CONTROLLER
THAT CONTINUITY CHECK WAS
SUCCESSFUL

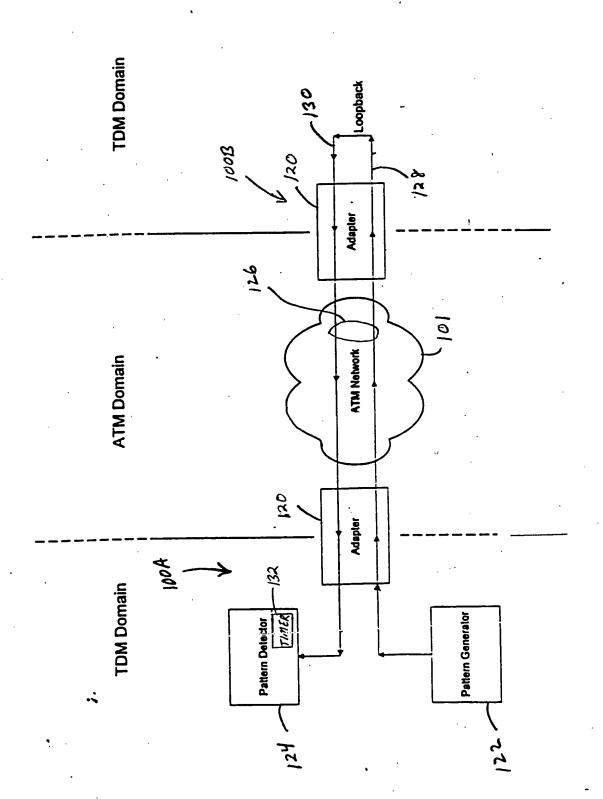
310 ORIGINATING CALL
CONTROLLER SENDS AN SS7
MESSAGE TO THE TERMINATING
CALL CONTROLLER INFORMING IT
OF THE SUCCESSFUL CONTINUITY
CHECK

320 TERMINATING GATEWAY IS RECONFIGURED TO CONTINUE PROCESSING THE CALL

315 THE CALL CONTROLLER
INSTRUCTS THE TERMINATING
GATEWAY TO DISCONNECT THE
LOOPBACK BETWEEN THE INCOMING
AND OUTGOING PACKET STREAMS



FIR 4



F16.5

Byte No.	Value
1 2	1111 1111 0000 0000
3 4 5 6 7 8 9 10	1000 0000 0100 0000 0010 0000 0001 0000 0000 1000 0000 0100 0000 0010
11 12 13 14 15 16 17 18	0111 1111 1011 1111 1101 1111 1110 1111 1111 0111 1111 1011 1111 1101
19 20	1010 1010 0101 0101

FIG. 6